



**COUNTY OF SAN LUIS OBISPO
Department of Agriculture/Weights and Measures**

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**RESTRICTED MATERIALS PERMIT CONDITION #12
USE OF PHENOXY AND CERTAIN OTHER HERBICIDES***

GENERAL CONDITIONS

1. Application when wind velocity is more than ten miles per hour is prohibited. [California Code of Regulations (CCR), Section 6460]
2. The equipment requirements listed below are applicable year round, regardless of the season or the distance to susceptible crops.
3. One week before budbreak in vineyards, additional conditions shall apply which are more restrictive. Refer to the conditions specific for your area of the county.
4. Prior to approval of a Notice of Intent, equipment inspections may be performed.
5. With airflow away from the nearest vineyard, the following applications may be allowed and conditioned as needed:
 - A. Hand pump sprayers (2-5 gallons)
 - B. Hose-end sprayers
 - C. Granular applications
 - D. Shielded applications

GENERAL CONDITIONS: AERIAL EQUIPMENT (CCR, Section 6460)

Application by aircraft shall be as follows:

1. No herbicide shall be discharged more than ten feet above the crop or target.
2. The flow of liquid to aircraft nozzles shall be controlled by a positive shutoff system as follows:
 - A. Each individual nozzle shall be equipped with a check valve, and the flow controlled by a suckback device or a boom pressure release device; or
 - B. Each individual nozzle shall be equipped with a positive action valve.
3. Aircraft nozzles shall not be equipped with any device or mechanism which would cause a sheet, cone fan, or similar type dispersion of the discharge material.

*The provisions of this permit condition apply to Phenoxy herbicides, Dicamba (Banvel) and Propanil (3,4-Dichloropropionanilide)

- 4. Aircraft boom pressure shall not exceed 40 pounds per square inch.**
- 5. Aircraft nozzles shall be equipped with orifices directed backward parallel to the horizontal axis of the aircraft in flight.**
- 6. Fixed wing aircraft and helicopters operating in excess of 60 miles per hour shall be equipped with jet nozzles having an orifice of not less than 1/16 inch in diameter.**
- 7. Helicopters operating at 60 miles per hour or less shall be equipped with:**
 - A. Nozzles having an orifice not less than 1/16 inch in diameter. A number 46 or larger whirlplate may be used; or**
 - B. Fan nozzles with a fan angle number not larger than 80 degrees, and a flow rate not less than one gallon per minute at 40 pounds per square inch pressure; or**
 - C. The Microfoil boom or equivalent type approved by the director. Orifices shall be directed backward parallel to the horizontal axis of the aircraft in flight.**

GENERAL CONDITIONS: GROUND EQUIPMENT (CCR, Section 6460)

Ground equipment (other than handguns) shall be equipped with:

- A. Nozzles having an orifice not less than 1/16 inch in diameter (for example the Tee Jet 8006 or larger), and operated at a boom pressure not to exceed 30 pounds per square inch; or**
- B. Low pressure fan nozzles with a fan angle number not larger than 80 degrees and fan nozzle orifice not smaller than 0.2 gallon per minute flow rate, and operated at a boom pressure not to exceed 15 pounds per square inch. Low pressure nozzles shall be TeeJet 8002LP, TeeJet 8004LP, Lurmark Limited FT-3, or equivalent.**
- C Any nozzle approved by the commissioner at such pressure that the $Dv_{0.1}^{**}$ is 200 microns or larger. Examples of nozzles which meet this criteria would be; the Drift Guard 8002 at 30psi; all FloodJets up to 100psi; and all Turbo Floodjets up to 100psi. The permit shall specify the nozzle and the maximum pressure to be used.**

****The $Dv_{0.1}$ is the drop diameter such that 90% of the volume is in larger droplets and 10% of the volume is in smaller droplets.**

**PHENOXY AND CERTAIN OTHER HERBICIDE APPLICATIONS IN THE
FOLLOWING VINEYARD REGIONS:**

(SEE ATTACHED MAP OF PHENOXY HERBICIDE REGIONS)

1. During vineyard dormancy:

See General Permit Conditions

2. One week before budbreak:

- A. No application of ester formulations.**
- B. Amine formulations allowed by ground and air.**

3. After vineyard budbreak:

- A. No amines by air.**
- B. No ground applications within one-half mile of a vineyard (except hand-pump or granular).**
- C. Amines allowed by power sprayers with a handwand if more than one-half mile from vineyards, with air flow away from nearest vineyard.**
- D. Amines will be approved on a case-by-case basis, and may be allowed by ground between one-half mile and one mile from vineyards with:**
 - 1. Equipment may be inspected prior to the beginning of the application.**
 - 2. Air flow away from nearest vineyard.**
 - 3. Use of 8002LP, or larger, nozzle; boom pressure not to exceed 15 p.s.i. or,**
 - 4. Use of any nozzle approved by the commissioner, such that the Dv0.1 is 200 microns or larger. The permit shall specify the nozzle and pressure to be used.**
- E. Amines allowed by ground if more than one mile from vineyards under the following conditions:**
 - 1. Equipment may be inspected prior to the beginning of the application.**
 - 2. Air flow away from nearest vineyard.**
 - 3. Use of any legal nozzle (minimum orifice diameter = 1/16th inch); pressure not to exceed 30 lbs. p.s.i. or,**
 - 4. Use of any nozzle approved by the commissioner, such that the Dv0.1 is 200 microns or larger. The permit shall specify the nozzle and pressure to be used.**

**PHENOXY AND CERTAIN OTHER HERBICIDE APPLICATIONS
NEAR SUSCEPTIBLE CROPS OTHER THAN GRAPES**

1. Application by ground.

- A. Use of amine formulations within ½ mile of susceptible crops will be approved on a case-by-case basis, and may be allowed under the following conditions:**
- 1. Equipment may be inspected prior to beginning of application.**
 - 2. Use of 8002LP, or larger, nozzle; boom pressure not to exceed 15 p.s.i. or,**
 - 3. Use of any nozzle approved by the commissioner, such that the Dv0.1 is 200 microns or larger. The permit shall specify the nozzle and pressure to be used.**
 - 4. Airflow away from susceptible crops.**
- B. Use of amine formulations beyond ½ mile will be allowed under the following conditions:**
- 1. Equipment may be inspected prior to beginning of application.**
 - 2. Use of any legal nozzle (minimum orifice = 1/16th inch); boom pressure not to exceed 30 p.s.i. or,**
 - 3. Use of any nozzle approved by the commissioner, such that the Dv0.1 is 200 microns or larger. The permit shall specify the nozzle and pressure to be used.**
 - 4. Airflow away from susceptible crops.**
- C. Ester formulations may be used only if distance to susceptible crops is greater than one mile, and in accordance with conditions 1.(B)-1,2,3,4 listed above.**

2. Application by air.

- A. No ester formulations within one mile of susceptible crops**
- B. Use of amine formulations within one mile of susceptible crops will be approved on a case-by-case basis, and may be allowed under the following conditions:**
- 1. Preapplication site inspection.**
 - 2. Airflow away from susceptible crops.**
 - 3. Monitoring of application by Agricultural Commissioner's staff.**